AP20 Res'd PUT, PIO 06 JAN 2006

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO				Complete if Known		
				Application Number	TT/06/MY	
INFO	RMATION D	DISC	CLOSURE	Filing Date	Herewith	
STAT	EMENT BY	' AF	PLICANT	First Named Inventor	Jill MacDonald Boyce, et al.	
•				Art Unit		
(Use as many sheets as necessary)				Examiner Name		
Sheet	1	of	2	Attorney Docket Number	PU030197	

U.S. PATENT DOCUMENTS							
E	Cito	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
Examiner Initials	Cite No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Oned Document			
		US-					
		US-					
		US-					
		US-					
		US-					
		US-					
		US-					
		US-		<u> </u>			
		US-					
		US-		<u> </u>			
		US-					
		US-		<u> </u>	•		
		US-	·				
		US-	·				
		US-					
		US-					
		US-					
		US-	.				
		US-			· ·		
	T	US-			•		

FOREIGN PATENT DOCUMENTS							
Evernines	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
Examiner Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Date MM-DD-YYYY	Applicant of Cited Document		T ⁶	
	AA	EP 0 614 312	09-07- 1994	Matsushita Electric Industrial Co. Ltd.			
		·				<u> </u>	
						141	
				ļ	<u> </u>	<u> </u>	
		<u> </u>	ļ		 		
	1		•		1		

Examiner Signature	Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ² Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵ Applicant is to place a check mark here if English language

the appropriate symbols as indicated on the document under WIFO standard S1. To it possible. Applicant is to place to distinct the property of the property of

PTO/SB/08b(08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute	for form 1449B/PTO			Complete if Known , 7 7 4 4		
				Application Number	771/202177	
			CLOSURE	Filing Date	Herewith	
STAT	rement by	/ A	PPLICANT	First Named Inventor	Jill MacDonald Boyce, et al.	
				Art Unit		
	(Use as many shee	ets as	necessary)	Examiner Name		
Sheet	2	of	2	Attorney Docket Number	PU030197	

		NON PATENT LITERATURE DOCUMENTS						
Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
	AB	JILL M. BOYCE, "Noise Reduction of Image Sequences Using Adaptive Motion Compensated Frame Averaging"; Digital Signal Processing 2, Estimation, VLSI San Francisco; March 23, 1992, Volume 5, pages 461-464.						
· ,	AC	G. DE HAAN, T.G. KWAAITAAL-SPASSOVA, M. LARRAGY, AND O.A. OJO; "Memory Integrated Noise Reduction IC for Television", IEEE Transactions on Consumer Electronics, IEEE Inc. New York US; Volume 42, No. 2; May 1, 1996; Pages 175-181						
	AD	BERNARD GIROD, "Why B-Pictures Work: A Theory of Multi-Hypothesis Motion-Compensated Prediction", Image Processing, Proceedings, October 4, 1998; pages 213-217.	•					
	AE	MARKUS FLIERL, THOMAS WIEGAND, AND BERND GIROD, "Mutihypothesis Pictures for H.26L", Proceedings 2001 International Conference on Image Processing; October 7, 2001; Volume 1 of 3; pages 526-529.						
	AF	JOAN LLACH AND JILL BOYCE, "H.264 encoder with low complexity noise pre-filtering", Volume 5203; August 5, 2003; pages 478-489.						
		Copy of Search Report dated August 31, 2004						
,			•					
·								
	T							

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.